

**U.S. DEPARTMENT OF LABOR**  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <b>ELECTROFILM INC.</b>		EMERGENCY TELEPHONE NO. <b>(213) 875-1000</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>27727 Avenue Scott, Valencia, CA 91355</b>		
CHEMICAL NAME AND SYNONYMS <b>SOLID FILM LUBRICANT, DRY LUBE</b>		TRADE NAME AND SYNONYMS <b>LUBRI-BOND 220 (BULK) MIL-L-46147</b>
CHEMICAL FAMILY <b>ORGANIC COATING</b>	FORMULA <b>PROPRIETARY MIXTURE</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS N/A	%	TLV (Units)
PIGMENTS <b>MOLYBDENUM DISULFIDE</b>	23	HIGH UNKNOWN	BASE METAL		
CATALYST <b>N/A</b>	0	-	ALLOYS		
VEHICLE <b>EPOXY RESIN</b>	10	NOT ESTAB.	METALLIC COATINGS		
SOLVENTS <b>* SEE BELOW</b>	67	100 ppm	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES <b>N/A</b>	0	-	OTHERS		
OTHERS <b>N/A</b>	0	-			
HAZARDOUS MIXTURES OF OTHER LIQUIDS,* SOLIDS, OR GASES <b>N/A</b>				%	TLV (Units)
<b>TOLUENE</b>				23	200 ppm
<b>XYLENE</b>				44	100 ppm
<b>TOTAL</b>				67	

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	231.	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.09
VAPOR PRESSURE (mm Hg.) (33°C)	36.7	PERCENT. VOLATILE BY VOLUME (%)	73
VAPOR DENSITY (AIR=1)	3.0	EVAPORATION RATE ( <u>BV AC</u> =1)	5.
SOLUBILITY IN WATER <b>NONE</b>			
APPEARANCE AND ODOR <b>DARK GRAY</b>			

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) <b>40°F (TCC)</b>	FLAMMABLE LIMITS	Lel <b>1.27%</b>	Uel <b>7.5%</b>
EXTINGUISHING MEDIA <b>N/A</b>			
SPECIAL FIRE FIGHTING PROCEDURES <b>N/A</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>N/A</b>			

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE *100 ppm*

EFFECTS OF OVEREXPOSURE *ANESTHETIC EFFECT, INDUCES NARCOSIS, CONTACT WITH SKIN  
MAY CAUSE DERMATITIS.*

EMERGENCY AND FIRST AID PROCEDURES *REMOVE VICTIM TO FRESH AIR.*

## SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID <i>AVOID CONTACT WITH FLAME OR HOT SURFACES</i>
	STABLE	<i>X</i>	

INCOMPATABILITY (Materials to avoid) *STRONG OXIDIZING AGENTS.*

HAZARDOUS DECOMPOSITION PRODUCTS *CO<sub>2</sub> AND CO*

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	<i>X</i>	

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
*WIPE UP WITH ABSORBANT MATERIAL.*

WASTE DISPOSAL METHOD *DISPOSE IN WELL VENTILATED AREA. INCINERATE.*

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) *RESPIRATOR FOR ORGANIC VAPORS AND FUMES RECOMMENDED.*

VENTILATION	LOCAL EXHAUST <i>YES</i>	SPECIAL <i>N/A</i>
	MECHANICAL (General) <i>EXPLOSION PROOF</i>	OTHER <i>N/A</i>

PROTECTIVE GLOVES <i>RECOMMENDED</i>	EYE PROTECTION <i>FULL SAFETY GLASSES</i>
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OTHER PROTECTIVE EQUIPMENT *N/A*

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  
*AVOID STORAGE ABOVE 80°F.*

OTHER PRECAUTIONS *DUE TO HIGH VAPOR PRESSURE CAUTION MUST BE EXERCISED OPENING CAN.*